

HAWK PSM PVC SEWER PIPE

PS 46 lb/in. - in.

HAWK PLASTICS
14447 PLANT ROAD • ALPINE, AL 35014
(256) 378-5931

ASTM D-3034 SDR 35 GASKET

Size	Outside Diameter	Wall	Weight Per Foot	Pieces Bundles	Feet Per Bundle	Bundles Truckload	Truckload	
							Pieces	Footage
4"	4.215	.120	1.1	84	1176	18	1,512	21,168
6"	6.275	.180	2.35	40	560	18	720	10,080
8"	8.400	.240	4.16	36	504	12 @ 36	432	6,048
				12	168	9 @ 12		
10"	10.500	.300	6.55	15	210	9 @ 15	243	3,402
12"	12.500	.360	9.45	16	224	12 @ 16	192	2,688
*15"	15.300	.430	14.2	9	126	12	108	1,512

Standard 14.0' Laying Length – 20.0' Length Special – * Other Lengths Available

All Hawk pipe products are packaged using the Ultimate Packaging Aid: The Molded Plastics Ragglegstick (Pat#5,893,395) offered by RAQ-L-STYX Packaging, Inc. Pipe packaged on plastic ragglegsticks ride on our trucks and your trucks with more stability. The self-contained stack allows you to work from a broken bundle one piece at a time without having to chase them around your yard or build a special rack to contain them.

ASTM D-3034 SDR 35 CEMENT JOINT

Size	Outside Diameter	Wall	Weight Per Foot	Pieces Bundles	Feet Per Bundle	Bundles Truckload	Truckload	
							Pieces	Footage
4"	4.215	.120	1.1	84	1092	18	1,512	19,656
6"	6.275	.180	2.35	40	520	18	720	9,360
8"	8.400	.240	4.16	36	468	12@36	432	5,616
10"	10.500	.300	6.55	12	156	9@12		
				15	195	9@15	243	3,159

Standard 13.0' Laying Length – 20.0' Length Special – * Other Lengths Available

****NOTE: SDR41 Available from factory. This lighter wall pipe manufactured at request.**

* Consult Sales For Availability

SPECIFICATIONS

For Plastic Gravity Sewer Pipe

TYPE OF PIPE

This specification covers polyvinyl chloride (PVC) gravity sewer pipe and fittings manufactured in accordance with ASTM Standard D-3034 and intended for use in drainage of sanitary and industrial wastes, storm water, and similar liquids. The pipe shall be made by continuous extrusion of green unplasticized PVC plastic and marked HAWK, as well as other markings prescribed by the ASTM Standard.

CHEMICAL RESISTANCE

The resistance of the pipe and fittings to chemical reagents shall be tested in accordance with ASTM D-543 "Test for Resistance of Plastics to Chemical Reagents) and changes, if any, in weight or tensile strength must not exceed the limits specified in Table 2, ASTM D-1784.

FITTINGS

All fittings shall be of the same material as the pipe and shall be consistent therewith in strength, dimensions and utility. Adapters shall be provided for transitions to other pipe products.

DIMENSIONS

Dimensions of pipe and fittings up to 15" in diameter shall conform to ASTM D-3034 for "Type PSM Polyvinyl Chloride (PVC) Sewer Pipe and Fittings". Nominal laying lengths shall be 13 feet. Other lengths are available on special order.

JOINTS

Pipe Joints are to be made either by the use of solvent cement or an integral bell with elastomeric gasket.

MATERIAL

Both pipe and fittings shall be made of PVC plastic having a cell classification of 12454-B as prescribed in ASTM D-1784. It shall be highly resistant to hydrogen sulfide, sulfuric acid, gasoline, oil, and other chemicals commonly found in sewage and industrial waste. It shall have a smooth internal surface for minimum flow resistance. When properly bedded and back-filled it shall withstand normally encountered loads without rupturing or leaking at the joints. In normal atmospheres, the pipe shall have a self-extinguishing flammability characteristic.

FOR CEMENTED JOINTS

The solvent cement used in cemented joints shall meet the requirements of ASTM D-2564 "standard Specification For Cement For Polyvinyl Chloride (PVC) Plastic Pipe And Fittings." it shall produce a watertight joint that will have sufficient strength within five minutes after assembly to permit normal installation handling and moving.

FOR GASKETED JOINTS

Gasketed joints shall be used where service conditions may subject the installation to expansion, contraction, angular Displacement of deformation of the pipe.

To facilitate the assembly of gasketed joints, each pipe bell end shall have an internal groove to hold the gasket in place while inserting the spigot end of a mating pipe or fitting. Spigot ends shall have a chamfer and smooth external surface so that they may be readily mated with bell ends without cutting or deforming (pinching) the gasket.

The pipe joint meets ASTM D-3212 for joints for drain and sewer pipes using flexible elastomeric seals, and the seals meet ASTM F-477 for elastomeric seals. All gaskets are factory installed and have a steel reinforcing ring (Locked-in).

HAWK PSM PVC HEAVY WALL SEWER PIPE

Ps115 LB./IN. - IN.

ASTM D-3034 HEAVY WALL SDR 26 GASKET

Size	Outside Diameter	Wall	Weight Per Foot	Pieces Bundles	Feet Per Bundle	Bundles Truckload	Truckload	
							Pieces	Footage
4"	4.215	.162	1.4	84	1176	18	1,512	21,168
6"	6.275	.241	3.2	40	560	18	720	10,080
8"	8.400	.323	5.7	36	504	12 @ 36	432	6,048
10"	10.500	.404	8.9	12	168	9 @ 12		
				15	210	19 @ 15	243	3402
12"	12.500	.481	12.6	16	224	12 @ 16	192	2,688

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INSTALLATION SPECIFICATIONS

1. The pipe shall be installed in accordance with recommended practice ASTM D-2321.
2. Joining with Solvent Cement shall be performed in accordance with ASTM D-2855 "Making Solvent Cemented Joints with PVC Pipe and Fittings" so that mating surfaces are tightly fused.
3. Gasket joints are to be assembled as follows:
 - A. With a dry rag, clean the mating surfaces of both the bell and spigot ends to be jointed. Make sure the gasket groove is clean.
 - B. Cover the beveled lip of the spigot with lubricant.
 - C. Push the spigot end into the bell until you feel the resistance of the gasket.
 - D. With pipe sections in straight alignment push the spigot into the bell by applying force to the far (bell) end of the pipe length or fitting being added to the line. If a pry bar is used to apply force, the pipe and bell should be protected by a short two-by-six board placed across the pipe end. If normal force is not sufficient to complete the joint, disassemble the joint and examine the parts to make sure they are free of obstructions. AT NO TIME should a backhoe or similar device be used to assemble pipe.
4. Testing

After backfilling, the pipeline may be tested for leakage. The leakage from any section of PVC Sewer, manhole to manhole, shall not exceed 50 gallons per inch diameter per mile per day.

EXTERNAL EARTH LOAD

The prime consideration when designing a flexible conduit line is the degree of deflection possible under various conditions. The bedding conditions surrounding the flexible conduit rather than the wall thickness of the pipe is the single most important factor affecting the degree of deflection of the line.

PVC sewer pipe should be designed for not more than 7.5% deflection. The engineer should specify Class 1, 2 or 3, as found in ASTM D-2321 bedding depending upon the soil conditions and the depth of the cover.